

TANYA COFER

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- EDUCATION:**
- Ph.D. in Mathematics** (May, 2003)
University of Georgia
Dissertation: A class of tight contact structures on $\Sigma_2 \times I$
 - Bachelor of Science in Mathematics** (June, 1995)
Augusta College, **Summa Cum Laude**
- EMPLOYMENT:**
- Post-Doctoral Fellow** (8/03-Present)
Center for Proficiency in Teaching Mathematics (CPTM)
Department of Mathematics Education
University of Georgia
 - Teaching/Research Assistant** (6/95-05/03)
Department of Mathematics
University of Georgia
 - Instructor of Mathematics** (1/00-12/00)
Athens Area Technical Institute
- LEADERSHIP AND SERVICE:**
- Center For Undergraduate Research Opportunities (CURO) at UGA: (11/03-Present)
Recruiting students, reviewing abstracts, assisting with workshops and presentations for the annual CURO Symposium, a forum for undergraduates to present original research sponsored by faculty members. For more information on the program, please see <http://www.uga.edu/honors/curo/>.
 - Coordinating CPTM partner district outreach efforts with Social Circle City Schools, Social Circle, GA. (9/03-Present)
 - Initiated and led the design and development of the proposal for a new Graduate Certificate in Mathematics Education for doctoral students in mathematics at the University of Georgia. (Fall, 2003)
 - CPTM Institute on Geometry for Middle School Teachers: Participated in organizing and planning professional development activities for teacher educators and aided in the implementation of the Institute. For more information on CPTM and the Institute, please visit <http://cptm.us>. (June 2-6,2003)
 - Assisted in developing and leading an advanced teaching seminar (Fall 2002)
 - Organized special topics seminar for mathematics graduate students (Summer, 2002)
 - Served as graduate student ombudsman for the Mathematics Department (2001-2002)

TEACHING EXPERIENCE:

Courses Taught, UGA		
Course Number	Course Name	Sem. or Qtr., Yr.
EMAT 8990	Seminar in topology for mathematics education graduate students	Spring, 2004
MATH 2200	Calculus I	Spring, 2001
MATH 2200L	Calculus MAPLE Lab	Spring, 2001
MATH 2200	Calculus I	Fall, 2000
MATH 2200L	Calculus MAPLE Lab	Fall, 2000
MATH 2200	Calculus I	Spring, 2001
MATH 1113	Precalculus	Spring, 2000
MATH 2200	Calculus I	Fall, 1999
MAT 1060	Mathematical Concepts	Spring, 1999
MAT 116	Precalculus	Fall, 1998
Courses Assisted, UGA		
Course Number	Course Name	Duties performed
EMAT 3500	Exploring Concepts with Technology in Secondary School Mathematics	Teaching/Grading

MATH 5002/7002	Math For Elementary School Teachers*	Assisting in class/Grading
MATH 4690/6690	Graph Theory	Grading
MATH 4220/6220	Point-Set Topology	Grading
MATH 2210	Calculus II	Recitations/Grading
STUDY HALL		Assisting students

*Math for Elementary School Teachers: Geometry and Problem Solving is a *writing intensive* class at the University of Georgia. The *Writing Intensive Program* is a cross-disciplinary initiative designed to enhance the quality and effectiveness of student writing. Students enrolled in writing intensive courses are required to complete writing assignments designed to help them communicate within the discipline. I was supported by the Writing Intensive Program and required to attend a weekly seminar on how to “coach” student writing. The Math for Elementary School Teachers course is the first mathematics course at the university to be involved in the program. More information can be found at: <http://parallel.park.uga.edu/~wip>.

Courses Taught, Athens Area Technical College		
Course Number	Course Name	Quarter, Year
MAT 191	College Algebra	Spring, 2000
MAT 191	College Algebra	Fall, 2000

COMPUTING:

Software: Adobe Illustrator (technical illustration), MAPLE, Geometer’s Sketchpad, Fathom (instructional setting)
Languages: JAVA (mathematical algorithm implementation), C in UNIX, T_EX (typesetting)
Platforms: Macintosh, PC, and UNIX

CONFERENCES:

- Georgia Topology Conference (Summer, 2003)
University of Georgia: Athens, GA
- Topological Methods in Complex Analysis and Geometry (Summer, 2002)
Université des Sciences et Technologies: Lille, France
- Joint Meetings of the A.M.S.-U.M.I., Symplectic Topology Section (Summer, 2002)
University of Pisa: Pisa, Italy
- Mentoring Program for Women in Mathematics: Symplectic Geometry and Holomorphic Curves (Spring, 2002)
Institute for Advanced Study: Princeton, N.J.
- Southeastern Section meeting of the A.M.S., Symplectic Topology Section (Spring, 2002)
Georgia Institute of Technology: Atlanta, GA
- Summer School in Low-Dimensional Topology (Summer, 1998)
Alfréd Rényi Institute of Mathematics: Budapest, Hungary
- “Kirbyfest” Topology Conference (Summer, 1998)
Mathematical Sciences Research Institute: Berkeley, CA
- Georgia Topology Conference (Summer, 1997)
University of Georgia: Athens, GA

PUBLICATIONS:

- “A class of tight contact structures on $\Sigma_2 \times I$ ”, submitted to *Algebraic & Geometric Topology*, 11/03

RESEARCH:

- Dissertation in Geometric Topology
- Developed a Java implementation of Ko Honda’s gluing theorem for $S^1 \times D^2$, which led to a correction of one of his theorems [K. Honda *Factoring nonrotative $T^2 \times I$ layers*, *Geom. and Top.* **5** (2001), 925-938.]
- Geometry Research Group

PROFESSIONAL SOCIETIES:

- American Mathematical Society (6/95-present)
- Association of Women in Mathematics (6/95-present)

